

Title (en)

APPARATUS FOR THE SYNTHESIS OF ANHYDROUS HYDROGEN HALIDE AND ANHYDROUS CARBON DIOXIDE

Title (de)

VORRICHTUNG ZUR SYNTHESE VON WASSERFREIEM WASSERSTOFFHALID UND WASSERFREIEM KOHLENDIOXID

Title (fr)

APPAREIL POUR LA SYNTHÈSE D'HALOGÉNURE D'HYDROGÈNE ANHYDRE ET DE DIOXYDE DE CARBONE ANHYDRE

Publication

EP 2696965 A1 20140219 (EN)

Application

EP 11863348 A 20111212

Priority

- US 201161474657 P 20110412
- US 201113100942 A 20110504
- US 2011064365 W 20111212

Abstract (en)

[origin: US2011256034A1] An apparatus for the synthesis of anhydrous hydrogen halide fluids from organic halide fluids, such as perfluorocarbon fluids and refrigerant fluids, and anhydrous carbon dioxide for the environmentally safe disposition thereof.

IPC 8 full level

B01J 8/04 (2006.01); **C01B 32/50** (2017.01)

CPC (source: EP KR US)

B01J 8/04 (2013.01 - KR); **B01J 8/0407** (2013.01 - KR); **B01J 8/067** (2013.01 - EP US); **C01B 7/035** (2013.01 - EP US); **C01B 7/093** (2013.01 - EP US); **C01B 7/191** (2013.01 - EP US); **C01B 32/50** (2017.07 - EP US); **B01J 2208/00221** (2013.01 - EP US); **B01J 2208/00256** (2013.01 - EP US); **B01J 2208/00274** (2013.01 - EP US); **B01J 2208/00548** (2013.01 - EP US); **B01J 2208/00716** (2013.01 - EP US); **B01J 2219/00006** (2013.01 - EP US); **B01J 2219/0004** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 2011256034 A1 20111020; US 8043574 B1 20111025; AU 2011365462 A1 20131003; AU 2011365462 B2 20140410; BR 112013024341 A2 20161220; CA 2831449 A1 20121018; CA 2831449 C 20140715; CN 103534022 A 20140122; CN 103534022 B 20161228; EP 2696965 A1 20140219; EP 2696965 A4 20141022; EP 2696965 B1 20161109; ES 2611879 T3 20170511; JP 2014522359 A 20140904; JP 5620609 B2 20141105; KR 101569263 B1 20151113; KR 20140016297 A 20140207; MX 2013010882 A 20140801; RU 2529232 C1 20140927; WO 2012141750 A1 20121018; ZA 201307198 B 20141223

DOCDB simple family (application)

US 201113100942 A 20110504; AU 2011365462 A 20111212; BR 112013024341 A 20111212; CA 2831449 A 20111212; CN 201180069520 A 20111212; EP 11863348 A 20111212; ES 11863348 T 20111212; JP 2014505127 A 20111212; KR 20137025059 A 20111212; MX 2013010882 A 20111212; RU 2013142581 A 20111212; US 2011064365 W 20111212; ZA 201307198 A 20130925